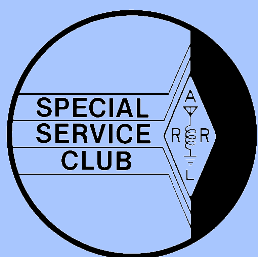




The Raleigh Amateur Radio Society's **EXCITER**

GET INVOLVED

- RARS General Membership meeting: **Second Tuesday** of the month.
- The RARS net meets every night except Saturday @ 8 p.m. on 146.640.
- The RARS Technical & Trader's net: Saturdays @ 8:00 PM on 146.64.
- RARS meets for a monthly dinner on the **First Tuesday** of each month.
- On the **fourth Tuesday** of every month, in-person meeting at Ridge Road Baptist Church where there will be project tables, demos, snacks, and socializing.



PUBLIC SERVICE EVENTS

Interested in helping? Visit
<https://www.rars.org/public-service.php>

frequently for our 2021 ham public service schedule.

RARS General Meeting

Main Topic: Field Day

By: Curt W4CP

Date: June 14, 2022

Time: Meeting at 7:30 PM, informal gathering at 7PM on Zoom.

Where: Zoom

RARS In Person Meeting

Date: June 28, 2022

Where: Ridge Road Baptist Church

Time: 7:00 PM

On the fourth Tuesday of every month. In-person meeting at Ridge Road Baptist Church where there will be project tables, demos, snacks, and socializing.

RARS Officers

PRESIDENT

John Honeycutt
N8ZU
919.417.2477
jfh49@bellsouth.net

VICE PRESIDENT

Tom Lewis
N4TL
N4TL2@yahoo.com

SECRETARY

Mark Kilmer
KM4JRH
919.676.0110
mark.kilmer@gmail.com

TREASURER

Greg Seamster
KE4PAX
919.859.0029
KE4PAX@arri.net



The Raleigh Amateur Radio Society

The Raleigh Amateur Radio Society, Inc. (RARS) was founded in 1969 and continues to serve and support the amateur radio community in the greater Triangle area. In 1999, the society incorporated a new RARS and obtained 501(c)(3) non-profit tax status.

The objectives of the club are to promote worldwide friendship through amateur radio; to be of public service by providing radio communications in times of disaster, emergency, or civic needs; to educate members in radio technique, and to provide training classes to assist in obtaining amateur radio licenses.

Anyone interested in amateur radio is eligible to apply for membership. Regular dues for licensed amateurs are \$18 per year. (From July 1 through June 30.) Additional licensed immediate family members pay \$5 each per year. Dues for licensed full time students and licensed seniors 60 and over are \$12 per year. Unlicensed individuals may become associate members for \$9 per year. Applications for membership are available from the treasurer or on the RARS web site.

<https://www.rars.org>

Exciter

The Exciter is the official newsletter of the Raleigh Amateur Radio Society. It appears each month as a PDF on the RARS website at www.rars.org. Members receive email notification when the latest version is available. Please provide your email address to the Treasurer.

The Exciter welcomes articles, advertisements, and other contributions. To submit a piece to the newsletter, please contact the Editor. The Editor reserves the right to edit any and all pieces. The submission deadline for each month's Exciter is the Saturday that is ten days before the general meeting. All submissions must be final. Drafts are not accepted.

The views expressed in the Exciter are those of the individual authors and do not necessarily reflect the views of the Editor or RARS.

Tom Lewis, N4TL, editor (editor@rars.org)

May 10, 2022 RARS meeting

The meeting was held on Zoom. Many members connected from 7PM on. President John Honeycutt, N8ZU, ran the formal part of the meeting. See the meeting minutes on [page 22](#) for details.

Virginia Enzor, NC4VA gave a presentation about AUXCOMM. The presentation is attached to the end of this Exciter. Starting on [page 24](#).



Virginia Enzor, NC4VA

Introduction to AUXCOMM



Virginia Enzor NC4VA
NC Deputy AUXCOMM Coordinator
Central Branch AUXCOMM Coordinator
COML TYPE III AHIMT NC0035
NC State-Sponsored AUXCOMM Instructor
Certified AUXC

May 10, 2022 RARS meeting

 N4TL, Tom, Raleigh	 Charles WA4OSS	 JOE, WA4GIR
 Brantley K4CBW	 Charles WB4DCM Raleigh	 John Jaskolka N4YRD Raleigh
 John Honeycutt N8ZU Raleigh,	 Charley - KE4QBW - Raleigh	 K4BYN Louis
 Tadd (KA2DEW) N. Raleigh	 Chuck K4RGN Raleigh	 Mike - KN4GUN
 David K4DBZ, Wake Forest	 Curt Phillips W4CP	 Mike KN4DRN Durham
 Joe N4BJH WakeForest	 dennis wz0q	 Murray, K4MHM, Raleigh, NC
 Larry K4LXV Raleigh	 Diana KM4WAI Apex	 Nancy KB2TNR
 Lee Johnson	 Diane KC3HNG Raleigh	 P Armstrong
 19064830406	 Dick KD4ISC	 Richard Kroeger N1FUA Apex
 AJ4YA. Grady. Wendell	 Doug AD4UL Erie, PA	 Stephen NY4NC Wake Forest
 Alan AB4OZ RALEIGH	 Doug N3LTV Raleigh NC	 Tom - NC4TS - Lake Royale
 Ben Davis KN4RFT	 Duncan McCormick, KQ4ABW,	 Tyler KO4BZA
 Bob Woodson	 Ernie Bauer - N4AEW	 Virginia NC4VA Cary
 Bob. N4GEB	 Jeremy L. K2HJX	 Bruce Woodry W8TWT Raleigh
 Carl Davis	 Jerry KE4TTS Cary, NC	
 Charles Good KM4AMT	 Jim KM4WRK, Raleigh	

46 people attended the zoom meeting

Future RARS Meeting Topics

Titles, topics, and speakers **subject to change.**

Date	Topic	Presenter
6/14/2022	Field Day	Field Day Chair Curt Phillips, W4CP
7/12/2022	"Mid-air Refueling Mission & Communication Methods Used"	Joe Owen K4HEW
8/9/2022	Small resonated HF Loop Antennas	Richard Quick, W4RQ
9/13/2022	"Things hams were taught that aren't true"	Chuck Till, K4RGN

During the Zoom meetings please keep
your microphone muted.

Please edit your name so your
Name, Call and Location are shown.

May 2022 RARS net report

31 nightly nets

439 checkins

819 minutes duration

KT4JR Julie Royster



RARS FIELD DAY
June 24, 25, 26
at CARROLL's FARM
(see info in this *EXCITER!*)

COME OUT TO FIELD DAY, June 24, 25 & 26

Have you made your plans to be at Field Day for June 25 & 26, along with the set-up day on Friday, June 24? We're expecting a GREAT Field Day and want YOU to be a part of it!!

Our Field Day will be held at the beautiful Carroll farm, 4501 Friendship Road, Apex (a map is available on the RARS web-site.)

And bring NEW HAMS, INTERESTED NON-HAMS and/or INACTIVE HAMS! KIDS welcome! We'll have a GOTA (Get On The Air) station where people in these categories can learn or re-learn how to operate a ham station and make contacts across the USA. Then, if they want to do some more hamming, have them come over to the 80/15 meter phone station, and they can make some MORE contacts!

If they want to get an overview on the skills they can practice BEFORE Field Day to make it even more fun, have them attend the RARS meeting on June 14th via Zoom. I will be doing a presentation on Field Day and will give tips on how Field Day contacts work and on getting ready to make Field Day contacts!

Right now, we have plans for stations on 40 meter phone, 20/10 meter phone, 80/15 meter phone as well as 40 meter CW (code) and 80/20 meter CW.

We'll also have a digital station and make some satellite contacts also, and a VHF/UHF station we need operators for! Come out to play with radios and help and learn, and well as enjoy the camaraderie, fellowship and FOOD with those who share your interest in radios!

Mark your calendar if you haven't already, and get ready for a post-COVID, TERRIFIC traditional Field Day.

If you have questions, contact me at curt@w4cp.com.
We look forward to seeing you there!

Curt Phillips W4CP
RARS Field Day Chairman

RARS Member Birthdays & New Members

Member Birthdays

Richard	K4KVH	06/01
John	KK4JCN	06/03
Robert	K4RWR	06/03
Daniel	KD4KXI	06/05
Gwen	KF4EUT	06/05
Mark	KM4JRH	06/06
Bruce	KI4PAC	06/07
Sandy	KJ4HTA	06/09
David	W4OFO	06/10
Charles	NZ0I	06/11
Matt	KN4MIO	06/11
Ken	KN4GUS	06/11
Jon	KI6BHF	06/13
Jon	KO4WLA	06/16
Mark	N4MQU	06/18
Big T	KN4WJL	06/18
Robbie	KA4RDR	06/19
Wade	KK4UGY	06/19
Rhett Davis	Not Licensed	06/21
Steve	W4MGT	06/21
Patrick	KM4QDZ	06/22
Michael	KO4YMG	06/23
Terry	K4TRP	06/26
Mike	K4MBX	06/30

New Members

Chris Cancilla	W4CEC
Derrik Downs	KO4DOK

Call Signs Received

Isaiah Deppong	KQ4AAR
John Jarman	KQ4ABZ
Duncan McCormick	KQ4ABW

RARS Monthly Dinner

All members and guests are welcome to the monthly (first Tuesday) RARS Supper, 6:30PM, at the CHOW Restaurant, 8311 Creedmoor Road, Raleigh. The restaurant is at the corner of Brennan Drive and Creedmoor Roads, behind McDonalds. After entering the restaurant, go to the left rear to the private room. Informal and Dutch, just bring your appetite and best rag to chew. "Your attendance will help us retain the private meeting room."

RARS Membership links

Use the following link to verify / update your membership profile.

<https://www.rars.org/userprofile.php>

Use the following link to renew your membership.

https://www.rars.org/membership_renewal.php

HAM RADIO LUNCHEON

Everyone is welcome!

Every Thursday at 11:30 am

New York Diner, 909 McKnight Drive Knightdale.

<https://www.facebook.com/NewYorkDinerNC>

Check the latest information on the AB4OZ QRZ entry.

[QRZ.COM](https://www.qrz.com).

Hamfest Calendar

For details go to <https://www.arrl.org/hamfests/search>

Free AB4OZ Hamfest, Weather permitting

The free AB4OZ Hamfest will be Saturday, June 18, 2022. Setup at 9AM. Start time is 10AM. New location, Golden Corral Restaurant rear parking lot. 3551 Grenelle street, Raleigh NC 27603.

Check the latest information here [QRZ.COM](https://www.qrz.com).

<https://www.rars.org>

Portable at Blue Jay Point County Park

The RARS Portable Operating Group met on May 28, 2022 at Blue Jay Point County Park in northern Wake county to activate the Mountains to Sea Trail (K-8313), as part of the Parks on the Air (POTA) program. Attendees included over a dozen hams, some experienced and some new, who came to enjoy the mild May weather and HF propagation.



Several hams generously brought their portable stations to share with participants. Icom was well-represented with an IC-718, IC-7300 and two 706's present. Yaesu was also represented with the FT-857, FT-757, and FT-817 rigs. Vertical antennas were the most popular with a variety of Chameleon, Wolf River Coils, and TN07 antennas deployed. Deployment of an

end fed half wave antenna was attempted, but ultimately unsuccessful when after several attempts with an arborist throw line, a zip tie failed resulting in a pile of wire on the ground.



Isaiah Deppong, KQ4AAR; Ginger Merkle, KD4OKP ; Carl Davis, W8WZ;
Rick Merkle, KA3PSK; Mark Kocher, KB4CNQ; Brantley West, K4CBW

The propagation was good and the camaraderie was better. It was nice to see faces that are commonly heard on the nightly 2 meter nets. In one case, a QSL card from a recent contest was hand-delivered. One new General licensee, Isaiah KQ4AAR, made his first HF contact, then followed it up with 20 more. His first HF experience resulted in a successful POTA activation. Congratulations Isaiah!



Paul Allikas N2HJK; Charles Swindle, WB4DCM; Bob Brown, N4GEB; Tony Laszlo, W4BMX

Sitting

Sitting



Tom Lewis, N4TL
&
Jay Diepenbrock, KM4EP

Thanks Tom N4TL for the snapping pictures before we dispersed.

The next portable operating event will be Field Day, June 25-26, at the Carroll farm. We hope to see you there!

FIELD DAY!!! DON'T MISS IT!!

Come out on Friday (June 24) at 10AM and see how a typical grassy, meadow-like area and wooded area are converted into a high-tech communications zone capable of transmissions reaching around the world!

We'll be setting up a mil-surplus AB-577 "rocket launcher", so that's a treat to see and participate in, as well as the other infrastructure (tents, generators, etc.) required for this transformation. Throughout the Field Day period there will be ice, water and soft drinks to keep you hydrated, snacks to energize you, and the antics of one or another of the RARS crew (probably me) to keep you entertained!! (Well, sort of.) And 6PM on Friday is PIZZA TIME!

If you have questions, the Field Day Leadership will be wearing reflective vests, similar to the one pictured. And if you want to talk to me, I'll be wearing one and also a red cap (or a red hardhat while putting up the AB-577). We will also have name tags on also.

Be there on Saturday, and get to play with other people's radios!! Then you can operate some of the radios and use the beam on the 80/15 meter phone station. The operating portion of Field Day starts on Saturday at 2PM. If your operating skills are a bit rusty, you can make a first stop at the GOTA (Get On The Air) station to get a refresher course and warmed up, then come on over to 80/15 and



see how the beam you helped put up is working!

The Saturday evening meal is catered BBQ pork and chicken with all the fixin's at 6PM.

And Sunday is the wrap-up, with the "contest" portion of Field Day wrapping up at 2PM. And then you can see the area be transformed again, from a high tech communications zone back to a grassy and wooded area!

Don't let Monday come with you regretting having missed out on another GREAT RARS FIELD DAY! Memories are made here!

A map is at the RARS website, RARS.org. Just click on the Field Day link.

See you there!!

73,
Curt Phillips W4CP
RARS Field Day Chairman



Wes Schum, Amateur Radio's Unsung Hero

Book about Wes Schum and Amateur radio

Title: Wes Schum, Amateur Radio's Unsung Hero.

Author: Dominic (Nick) Tusa.

Published September 2021.

The story is about the life of Wes Schum. How he grew up and became interested in Single Side Band in Amateur radio.

The story starts out in Chicago, 1921 where he was born. He grew up during the depression. Here are a few interesting stories from his life.

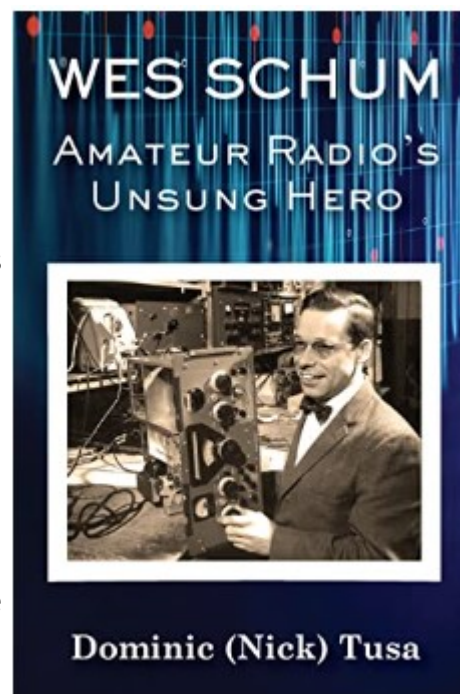
In 1933, he was 12 and got his dad to buy a rusty 1926 Jordan 4-door car for \$10. The straight eight engine was locked up so Wes took on the job of rebuilding it. He also sanded and painted the car with a paintbrush. After all that work, it would not start. A friend of his father showed him that he did not have the sparkplug wires on the correct plugs. After that was fixed, it ran. His dad drove it for the next 10 years. After that, Wes started high school.

He was interested in radio and got his ham license in 1937. W9ZDK.

He was a wiz at electronics and got a job at Cover Dual Signal systems around 1940. The company was making wartime products for the government. Wes was able to get the quality up so the contracts were kept. After the attack at Pearl Harbor, the owner of the company got a deferment for Wes. He knew his company was dependent on Wes to keep things going.

After the end of the war in 1945 when many men were being sent home, he was drafted. He was stationed in Holabird Signal Depot in Baltimore, Maryland. He was going to be a prisoner interrogator most likely in Korea. Holabird's base commander was going to give a speech to the men at the base's parade grounds. He walked up to the microphone and just stood there. Someone realized he was being electrocuted and knocked the microphone away from him. He collapsed and was carried off. The following Monday morning Wes requested a meeting the Colonel. It took three days before he was seen. He told the Colonel he could fix the problem with the microphone. In a week, he had the problem fixed. The Colonel checked it out and told Wes that the PA system has been giving him shocks for years and no one could fix it. After Wes fixed a few more things, he had a new job at the base. Running the base electronics shop. He was promoted from private to sergeant. He was out of the military by January 1947.

Single Side Band history and entry into Ham Radio.



Wes Schum, Amateur Radio's Unsung Hero, continued

The first U.S. Patent for SSB was filed in December 1915. Telephone companies started using it in the 1930s. Wes heard of university amateur radio clubs experimenting with single sideband. The first two way amateur sideband contact was made on 3970 kHz on September 21 1947 between two university clubs. By now 1949-1950 Wes was involved in manufacture of audio systems. He kept in contact with Colonel at Holabird of the Signal Depot in Baltimore. The Colonel had Wes contribute to the military as a training contactor. In June 1950, sixteen single side band systems were delivered to the military. The systems probably were General Electric YRS-1. GE announced that system in 1948. Around this time, Ralph Hartley at Western Electric figured out how to do a balanced modulator by phase shifting the audio signals by 90 degrees. It was a less costly method.

SSB and Central Electronics.

Wes built some equipment for SSB using the phasing method and used it on the air with friends. Wes and his wife decided to build SSB ham radio equipment in their basement. Central Electronics was born. Their first produces were Central Electronics model 10A Exciter and Model A Slicer. The slicer is a SSB demodulator that worked at 455 KHz. It had to be connected to a receiver with that IF frequency.

In the late 1940s and into the 1950s there were many articles in QST and CQ. Many hams did not like SSB. The book goes in to some details about that.

Central electronics built a number of different pieces of equipment and did well for a number of years. But after a while they had cash flow problems. Zenith came to the rescue. They helped with current projects and improving production lines. In 1962, Zenith at the time had over two hundred seventy million in annual sales. The management team of Zenith decided they did not need to be in the sideband radio business. In December of 1962 Wes was told SSB production was ending and he needed to find a new job. Zenith kept Central Electronics to do production and other work. Zenith would not sell any of the business back to Wes.

This website has a lot of information about Central Electronics. Ignore the message at the top "Content on this page requires a newer version of Adobe Flash Player".

<http://www.ce-multiphase.com>

Go to the bottom to see pictures for pictures and information.

Here is a good video about the History of SSB.

<https://www.youtube.com/watch?v=j7CVjKAHJHE>

73 Tom N4TL

<https://www.rars.org>

RARS Classifieds

Copied from <https://www.rars.org/classifieds.php>

The items below were listed within the last 30 days on the RARS website.

Check the RARS Classified List on the RARS website regularly for new items.

Free New Dovetail Fixture

Posted June 5th, 2022 by: W4NPN

Contact: fbW4NPN@gmail.com

For you woodworkers: An unused Sears model 9-2576, 8-inch depth Dovetail Fixture.

Used to make 4 kinds of Drawer Joints:

1/2 inch flush, 1/2 inch flush-offset, 1/4 inch flush, 1/2 inch rabbetted

Email me at fbw4nnpn@gmail.com for pickup in Chapel Hill NC.

Free Air Fans for amplifiers

Posted June 5th, 2022 by: W4NPN

Contact: fbW4NPN@gmail.com

Free: Two Air Fans (blowers) that can be used for perhaps a linear amplifier. One is a radial one and the other is a dual linear one. Both are "squirrel cage types." Can provide photos if there is a serious interest.

Contact fbw4nnpn@gmail.com for a pickup in Chapel Hill. If no interest, they go to the salvage shed.

Free Framing Nailer

Posted June 5th, 2022 by: W4NPN

Contact: fbW4NPN@gmail.com

Free: Central Pneumatic Framing Nailer, # 040401.

21 Degree Angle

10 Gauge Full Head Nail Capacity

Air Inlet Size : 1/4" - 18 NPT

10 Ga Nails, 2-3/16" to 3-1/2" size

Operating Pressure: 70 to 120 PSI

Air Capacity: 12 CFM at 90 PSI

Used for one project, then oiled and put away. Probably still works OK.

Contact fbw4nnpn@gmail.com for pickup in Chapel Hill NC.

<https://www.rars.org>

RARS Classifieds continued

Wanted Radio shack/ Realistic 10 meter mobile

Posted June 4th, 2022 by: WZ0Q

Contact: wz0q@outlook.com

I'm looking for a Htx-10/Htx 100

10 meter mobile.

Reasonably priced.

Dennis, Wz0q, 919-413-5998

FS: Tektronix 465M Oscilloscope

Posted June 3rd, 2022 by: AG4AY

Contact: todd.nichols@ieee.org

100 MHz, dual-trace, delayed sweep, works fine; comes with one probe, cover, cord, and manual. \$50; pick up in Cary or near fairgrounds.

This was a Bob "Mr. Scope" Garcia refurbished scope I've had for a number of years.

Pictures of operation measuring function generator output:

<https://imgur.com/ytMkhBy>

<https://imgur.com/9nCXKga>

FS: Hallicrafters SX-99

Posted June 2nd, 2022 by: W4BOH

Contact: infomet@embarqmail.com

Further testing shows operation on three lower bands, reasonable sensitivity, but not measured. No doubt needs alignment.

Modest rust on chassis, fine underneath.

Bandspread dial cord is loose, so front panel needs to come off to tighten string.

Filter caps are fine, but I'd change them after tuneup, just in case.

Somewhat better than an S-40 and much better than an S-38, actually usable for hamming AND SWLing, general coverage. This will make a fine daily driver!

I had it listed for \$50, but I really want to get some downsizing done, so it's \$25, picked up in Hillsborough. Wilson, W4BOH

RARS Classifieds continued

MFJ-993B IntelliTuner automatic 150/300 watt antenna tuner

Posted June 1st, 2022 by: K9RDU

Contact: k9rdu@protonmail.com

Purchased new from HRO on 7/5/21. Used "barefoot". Selling because we got an amp and decided to go with resonant antennas instead of upgrading to the MFJ-998B. I *might* still have the original box. \$250 If you are buying our IC-7100 as well, I'll throw in the interface cable.

Astron RS-35A

Posted June 1st, 2022 by: K9RDU

Contact: k9rdu@protonmail.com

Purchased new last year. Had to send it back for warranty work due to lack of thermal paste. Good linear power supply, but I'm too lazy to hook it up since our other one works. \$200.

DX Engineering HD 46ft fiberglass mast and cam lock set

Posted June 1st, 2022 by: K9RDU

Contact: k9rdu@protonmail.com

Brand new. Unboxed, never assembled or used. \$220 firm.

Rohn H-50 44ft steel telescoping mast.

Posted June 1st, 2022 by: K9RDU

Contact: k9rdu@protonmail.com

New and still in the shipping package. Shipping and tax is almost \$150 on this beast. Save yourself some money. \$250 firm.

Bencher BY-2 Chrome Iambic paddle with cable

Posted June 1st, 2022 by: K9RDU

Contact: k9rdu@protonmail.com

Works fine, we are both just single lever paddle people. \$175

RARS Classifieds continued

Voicemaster speaker

Posted June 1st, 2022 by: K9RDU

Contact: k9rdu@protonmail.com

Purchased new for the IC-7100 backup rig. 10-20 hours use. \$120

Icom IC-7100

Posted June 1st, 2022 by: K9RDU

Contact: k9rdu@protonmail.com

Purchased new from HRO on 11/3/21 to use while primary rig was in for repairs. This is a great All-band, all-mode radio. Only used about 10 hours. Have original box. \$950 including the basically new SM-20 mic (sat in an unopened box for 11+ years until we got this radio).

Pair of 80 watt audio transformers

Posted May 25th, 2022 by: W4NPN

Contact: fbW4NPN@gmail.com

A matched pair of audio output transformers, each can handle 80 watts. Center-tapped HV primary and multi-tap secondary to match any speakers you have. Hand-drawn documentation of the primary and secondary windings is available. Too heavy to ship; pickup in Chapel Hill for only \$25. Send email to fbw4nnp@gmail.com to arrange pickup.

HV Transformer, HV Choke and Oil-filled filter caps

Posted May 25th, 2022 by: W4NPN

Contact: fbW4NPN@gmail.com

This is a 2150-0-2150 volt 500 MA transformer, plus a 400 MA HV Choke and two 20 MFD 2500 volt filter caps. These are used parts but are very robust and in good condition. The whole lot is available in Chapel Hill (pickup only; too heavy to ship) for only \$30. Contact fbw4nnp@gmail.com to arrange pickup.

FS: Radiola 18

Posted May 22nd, 2022 by: W4BOH

Contact: infomet@embargmail.com

Dirty, Complete, Cabinet very poor, No mice,
Looks very restorable, chassis wise!
Pickup in Hillsborough, NC for \$20.
Wilson W4BOH

RARS Classifieds continued

Pair of HH54 Handheld Weather Alert Radios

Posted May 20th, 2022 by: W4BRB

Contact: bernardb15@att.net

I have a used pair of HH54 handheld weather alert radios in great working order. They receive weather information from the NOAA NWS weather stations. They are capable of monitoring multiple S.A.M.E codes and displaying the type of alert being received. The radios come with desk chargers.

Asking \$40.00

Commercial KEPCO Power Supply

Posted May 20th, 2022 by: W4BRB

Contact: bernardb15@att.net

I have a used commercial KEPCO Power Supply Model JQE in good working order. The supply is rated 0-100 VDC at 2.5 Amps.

Asking \$40.00

HAM RADIO OPERATING TABLE FOR SALE

Posted May 19th, 2022 by: AC1Y

Contact: ac1wye@gmail.com

I'm downsizing my shack and need to pass oh my big Operating Table and removable shelf. I hand-made it in 2013. It's 1/2" Particle Board framed with 1x3. It measures 4 X 8 feet, with a 2 x 3-foot center section removed for the operator's chair. Supported by five (5) locking, folding legs. It has a removable shelf made of Melamine-coated shelving board. This big table will handle all the equipment you can imagine. You will need a long-bed pickup truck to transport it. I have pictures of it on my iPhone but can't seem to post any in my advert. Please contact me at my RARS member e-mail. I'm not asking much as I need to rehome this great handmade table, \$100, I'm in Knightdale. Thanks everyone! Sandy AC1Y

Heathkit item

Posted May 17th, 2022 by: N4TL

Contact: n4tl2@yahoo.com

Heathkit HM-102 HF SWR and Power meter. The power ranges are 200 and 2,000 watts. Frequency range is 1.8 to 30 MHz. It works fine and looks good, no scratches or rust. \$25.
contact me my email.

RARS Classifieds continued

Two Hallicrafters radios for sale, both work.

Posted May 16th, 2022 by: N4TL

Contact: n4tl2@yahoo.com

Hallicrafters S-38D, Mark 2, recapped and working. Has original back and bottom. Cabinet restored, very clean, good looker. \$40.

Hallicrafters S-41G, grey, recapped and working. Has original bottom, cardboard back is missing. \$30.

Contact me via email. N4TL2@yahoo.com

ICOM IC-751A HF Transceiver and ICOM Power Supplies

Posted May 11th, 2022 by: K4HF

Contact: k4hf@arrl.net

ICOM IC-751A - 160-10 meters, 100 Watts, gen cvg rcve, w/HM-36 hand mike, cw and ssb filters, incl.
ICOM PS-55 power supply - \$445

Other Power Supplies available for 100 Watt transceivers:

Two ICOM PS-30s @ \$75 ea.

Contact me by e mail, preferred, or (919) 872-6555 - Thanks, Chuck

RARS Board Meeting Minutes

These minutes will be published in a future issue.

Raleigh Amateur Radio Society

Membership Meeting Minutes

10 May 2022

The meeting was called to order at 7:30 P.M. Eastern Time by RARS President John, N8ZU via zoom.

The pledge of allegiance to the American flag was said. Visitors were introduced and those with upgrades were acknowledged.

Vice President Tom, N4TL gave the vice president's report. Next month's program will be given by Field Day Chair Curt, W4CP on the topical of Field Day.

No treasurer's report was given.

No secretary's report was given.

A quorum being present, the minutes of the April meeting were unanimously approved.

Director's Reports:

Director Alan, AB4OZ reminded us about the Ham Radio Lunch on Thursdays at 11:00 AM. Alan reminded us that 21 May is the next AB4OZ hamfest at the Golden Coral in south Raleigh and all announcements can be found on QRZ if you look up AB4OZ

Youth Director Brantley, K4CBW reported that the portable operating SIG had its outing at Umstead park last month with the topic of public service. The date and location of the May event is TBD. Information will be put on the RARS webpage once it is decided.

Public Service Director Jeremy, K2HJX thanked everyone for volunteering for public service. This Sunday's event is fully staffed. Check out the webpage for future options to do public service.

Director Tadd, KA2DEW reported that the 4th Tuesday in person meetings are going well last month and that the next one will be on 24 May at Ridge Road Baptist Church. Details will be on the RARS webpage. All are welcome.

[Jump back to page 5](#)

RARS Membership Meeting Minutes – continued

VE-Coordinator Joe, WA4GIR reported that RARS will offer VE tests at 7:00 P.M. on 24 May at the Ridge Road Baptist Church. Pre-registration is required. To pre-register for a test e-mail Joe at WA4GIR@ARRL.NET

President John, N8ZU announced that the RARS Board meeting will be on zoom next Tuesday at 7:00 P.M. All RARS members are welcome. Anyone with business for the meeting should contact N8ZU via the RARS webpage to get their business item on the agenda.

Vice President Tom, N4TL introduced our program for the evening, Virginia, NC4VA who gave a presentation on AUXCOM. After the program Virginia answered questions about her presentation from the membership.

John, N8ZU reminded all about Field Day and encouraged everyone to read the article about Field Day in the Exciter written by Curt, W4CP. The article tells how to volunteer for Field Day.

There being no further business, a motion to adjourn was made by Stephen, NY4NC. The motion was seconded by Charles, WBRDCM and passed unanimously.

The meeting was adjured at P.M. Eastern time.

Respectfully Submitted,

Carl Davis, W8WZ

Substitute Secretary for the evening.



NC AUXCOMM
"First in Fight"

Introduction to AUXCOMM



Virginia Enzor NC4VA
NC Deputy AUXCOMM Coordinator
Central Branch AUXCOMM Coordinator
COML TYPE III AHIMT NC0035
NC State-Sponsored AUXCOMM Instructor
Certified AUXC



NC AUXCOMM

"First in Fight"

What is AUXCOMM?

AUXCOMM = Auxiliary Communications

AUXCOMM or AUXC is an ICS position that is trained to a national standard.

Licensed amateur radio operators fill this position to integrate into a public safety environment at an incident, planned event or exercise.

They come from a variety Emergency Communications Groups.



NC AUXCOMM "First in Fight"

Trained to a national standard!

Valid FCC-issued amateur radio license

Most current versions FEMA IS 100, 200, 700 & 800

No cost; available online

DHS-CISA Auxiliary Emergency Communications course (AECC-005) - 20 hr course/3 days; requires county EM approval to take this course

NC has 3 federally-trained, state sponsored instructors who teach this course.

Serve within local AHJ (usually home county)





NC AUXCOMM "First in Fight"

Auxcomm Position Task Book

DHS approved PTB with NC SIEC approved addendums for:

- WebEOC
- VIPER Training
- NCEM Go Kit
- Winlink

Demonstrate skills during exercises & incidents.

Evaluated by at minimum 4 different credentialed COMLs

A certified AUXC may serve within his designated county or be deployed to other counties in NC!!

STATE OF NORTH CAROLINA
Department of Public Safety
Division of Emergency Management

POSITION TASK BOOK
FOR THE POSITION OF
**AUXILIARY COMMUNICATOR
(AUXCOMM/AUXC)**

POSITION TASK BOOK ASSIGNED TO:	
TRAINEE'S NAME	
AGENCY NAME:	
PHONE NUMBER:	
E-MAIL:	edneely@gmail.com
POSITION TASK BOOK INITIATED BY:	
OFFICIAL'S NAME	
TITLE:	Communications Branch Manager (SWIC)
AGENCY NAME	
PHONE NUMBER	
E-MAIL	
POSITION TASK BOOK WAS INITIATED:	
LOCATION:	
DATE:	

Version 3.0
January 2020

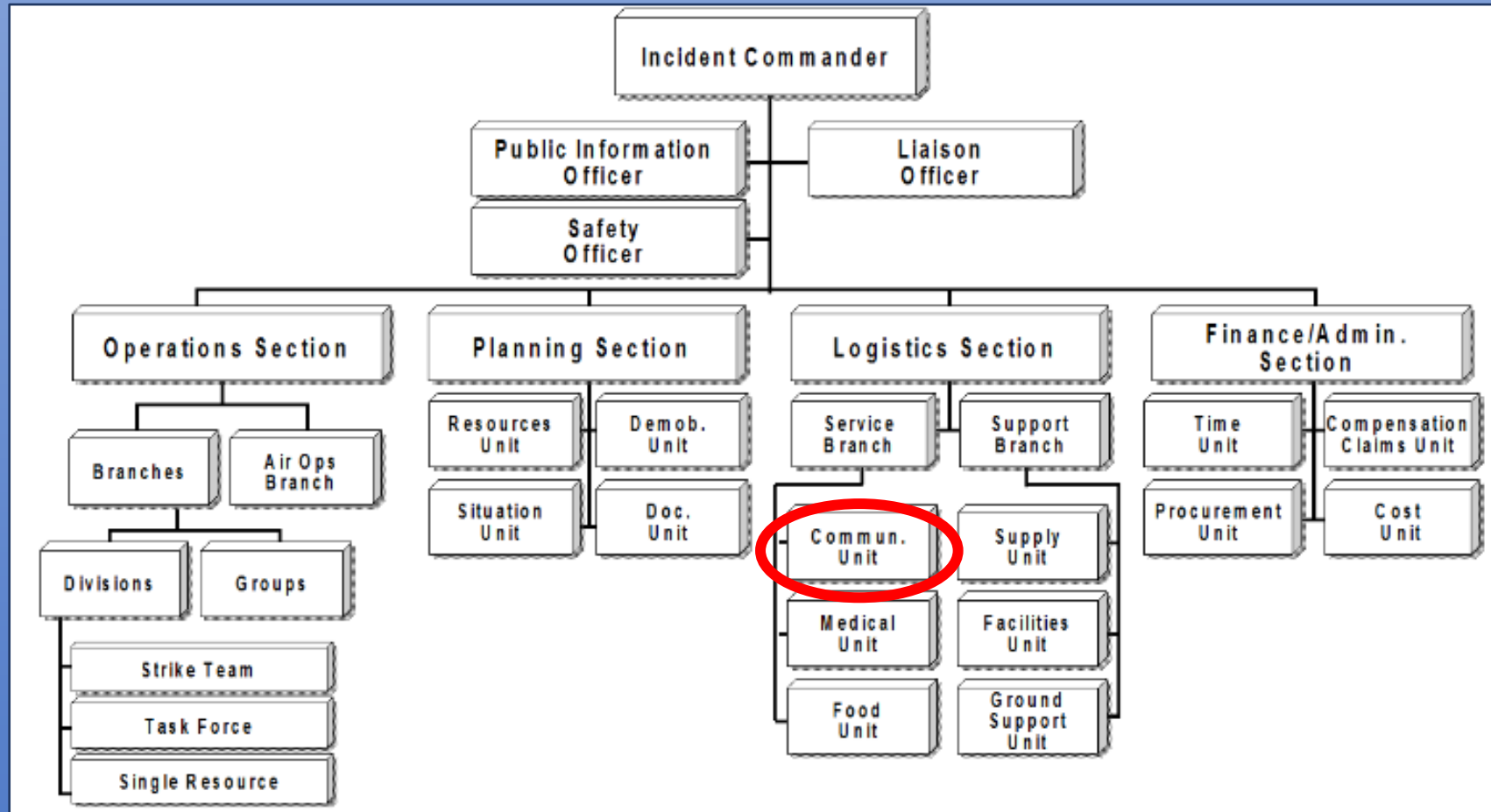
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NC AUXCOMM "First in Fight"

Incident Command System & Where AUXCOMM Fits In the Chain of Command



The AUXC position falls under the Communications Unit Leader (COML)



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AUXCOMM volunteers
may called up for:

Incidents

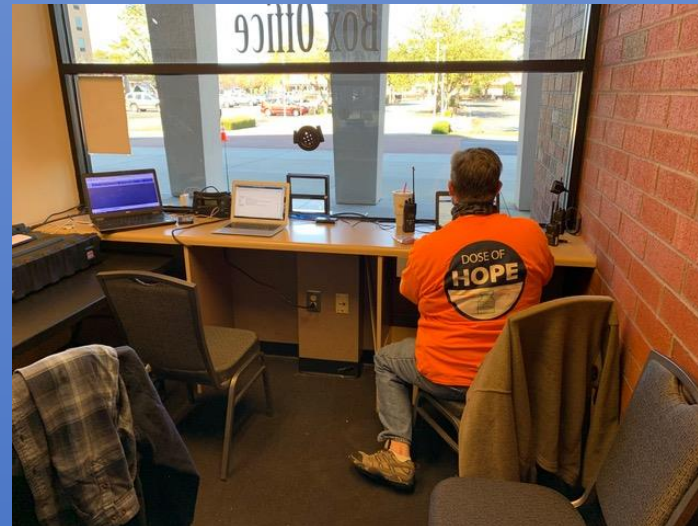
- Hurricanes & tropical storms
- Winter weather
- Wildfires
- Widespread flooding
- Man made incidents
- Cybersecurity incidents
- Public Health Care (Pandemic)

Major Special Events

- DNC and RNC
- Primary and General Elections

Exercises

- 4 Nuclear Power Plants
- State sponsored exercises
- County exercises





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AUXCOMM volunteers staff positions at the SEOC, Regional Coordination Centers, county EOCs, a comms vehicle or field location upon request by the AHJ.





NC AUXCOMM

"First in Fight"

What do AUXCs do on the job?

AUXC's primary function is to support incident critical communications pathways in support of an incident or event.

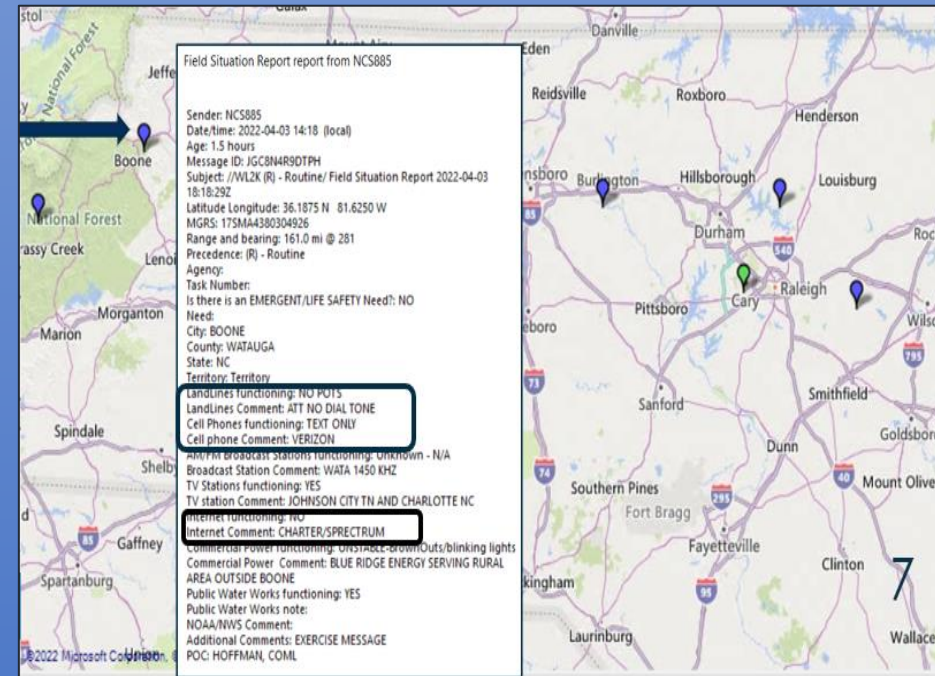
Essential AUXC job functions include, but are not limited to:

1. Transmitting & receiving messages, using amateur radio equipment and/or public safety radios as authorized.
2. Repairing existing amateur radio equipment on behalf of the local AHJ.
3. Maintaining connections to the SHARES and/or amateur radio network for Winlink email/data.



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4. Assisting the local AHJ with PACE planning to ensure tactical readiness.
5. Assisting with consequence management following a cybersecurity event.
6. Providing and relaying field situation reports (Field SitReps) from impacted areas to include the status of:
 - Landline telephone services
 - Cell phone services
 - AM/FM Radio stations
 - Local television stations
 - Commercial power
 - Internet
 - NOAA/NWS radio
 - Public water works





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- 8. Distributing cache radios.
- 9. Other tasks as assigned.





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What communications modes does AUXCOMM use?

- Winlink/SHARES for data/email
- VIPER
- Amateur radio voice - VHF, UHF, HF
- SHARES Voice
- *DMR
- WebEOC and other internet platforms
- FNARS - FEMA National Radio System





NC AUXCOMM

"First in Fight"

AUXCOMM is part of the NCEM ESF2 Team.

North Carolina ESF2 State Emergency Response Team (SERT)

COMLs/COMTs/TERT

CISA/ECD

PSAP Coordination

Media Infrastructure

Commercial Telco

NC National Guard

AUXCOMM

Air to Grounds Comms

VIPER Radio System

NC FirstTech

FEMA

Others



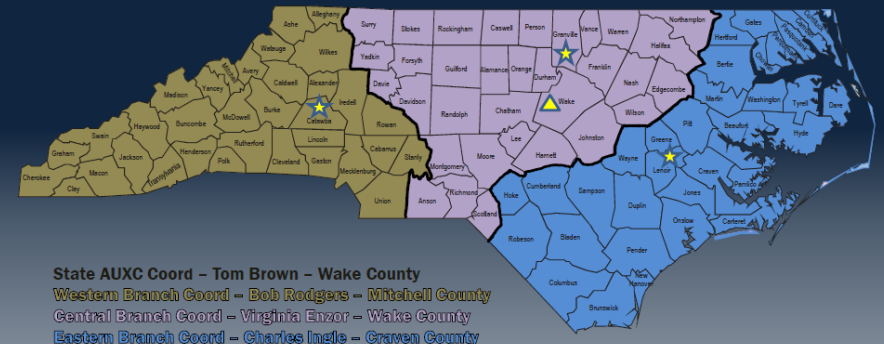


NC AUXCOMM "First in Fight"

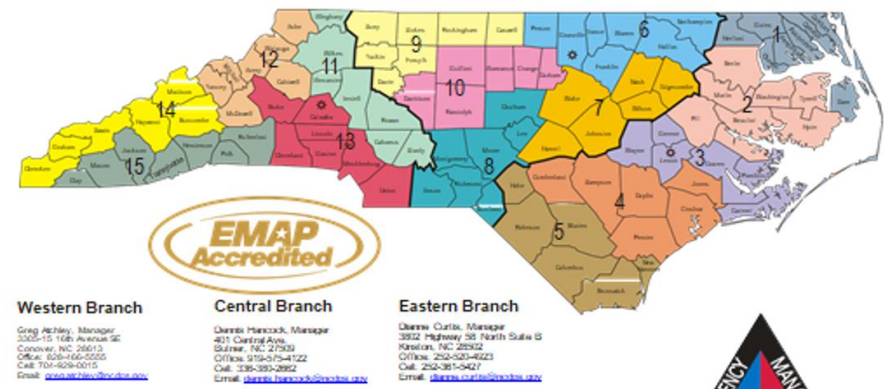
NC AUXCOMM Chain of Command

- One Statewide AUXC Coordinator who reports to the NC SWIC
- Three Regional AUXC Coordinators, one per NCEM Branch
- County Level AUXC Coordinators
- Individual AUXC Operators
 - AUXC Trained and Deployable (SIEC Certified)
 - AUXC Trained and Non-deployable to other counties
 - Non AUXC trained

North Carolina Auxiliary Communications Areas of Operations



State of North Carolina Division of Emergency Management





NC AUXCOMM

"First in Fight"

Status of AUXCOMM in NC today

Over 200+ have completed the DHS-CISA AUXCOMM course.

Approximately 100 folks are completing their Position Task Books.

NC has about 50 credentialed Type III AHIMT COMLs, half of whom are AUXCOMM members who are deployed and work side by side with full-time Public Safety professionals during exercises and incidents.

NC AUXCOMM has a voting member on the SIEC (Statewide Interoperability Executive Committee).



NC AUXCOMM

"First in Fight"

CISA AUXCOMM Leadership Award 2020 -Tom Brown N4TAB!!

ARRL 2019 Roanoke Division Service Award - Tom Brown N4TAB!!

CISA AUXCOMM State of the Year Award 2020 -NC!!

"Goes to the Great State of North Carolina. They take this stuff seriously. The leadership in the state has them fully represented at the emergency management table, and they have gone to great lengths to ensure their AUXCOMM personnel database is accurate. They currently have the strongest AUXCOMM state sponsored training programs in the United States and the leadership of AUXCOMM is nothing less than professional and engaged. We salute all involved with AUXCOMM in the great State of North Carolina."



NC AUXCOMM "First in Fight"

If you want to get involved with AUXCOMM, send me an email at nc4va@nc.rr.com

Please join us on the Wake County AUXCOMM Net each Thursday night at 9:15PM on the 146.88 repeater.

AUXCOMM... It's all about making a difference.

QUESTIONS?